

# Analogue Workshop Vol. 1

## Distortion & Feedback



## **Waveforms**

Waveforms is a series of downloadable sample libraries from Something Else Music Limited. This company is run by the well respected UK sound designer Ian Boddy who has been producing sample libraries since 1992. His work includes Ambient Volumes 1 & 2, Malice in Wonderland, Morphology, Analogue Sequencer Loops & Outer Limits for Zero-G and Transmission-X for Sample Magic. He has also provided patch & sample content for Camel Audio (including his own Analogica soundbank), LinPlug & Rob Papen Soundware.

Boddy's musical career actually goes all the way back to 1980. He has a successful solo musical career having released over 30 solo & collaborative albums, performed over 150 concerts in the UK, Europe & the USA and runs the highly respected ambient music label DiN which has currently released 39 CDs. Furthermore he also composes library music for the UK's largest independent library music company DeWolfe having written 12 such titles for them to date.

With such a wealth of musical and sound design experience Boddy has finally decided to release his sample productions independently. These products will be marketed under the "Waveforms" banner and will comprise a series of tightly focused sample packs that will only be available in download format. This modern form of product distribution enables costs to be kept down and thus customers can purchase the sounds they want at a very reasonable price. This means that they can be purchased from some of the most respected on-line sample stores at any time.

All the Waveforms libraries are comprised of 350 - 700Mb of 44.1KHz, 24 Bit WAV files. For your convenience Native Instruments Kontakt patches are also provided which are optimised dependant on the audio content of each release.

Distortion & Feedback is the first in the new series of Analogue Workshop sound libraries released by Ian Boddy Waveforms. It is intended that each volume in this series will focus in on one aspect of analogue sound design possible on modular & vintage synthesisers.

This library contains 300 samples (150 longer looped sounds & 150 one shots) meticulously programmed and recorded from analogue modular & vintage synthesisers. As you may surmise from the title of the library these are not for the faint hearted. Every single sound uses some form of either audio or control voltage distortion, feedback or general sonic ill treatment. A new custom designed graphical interface has been scripted in Kontakt to provide even more variation & programming opportunities in the way the sounds are presented. This is rounded out by a set of impulse responses for the convolution reverb taken directly from analogue modules such as spring reverbs & bucket-brigade delays to further enhance the overall sound character.

The sounds & patches run the full gamut from earth shattering drones, twisted pads, piercing modulations and weird transmissions to eerily haunting feedback oscillations. The one-shot section contains a range of crunchy, nasty, throbbing short percussive sounds and FX that can be used to spice up any drum kit or add impact to key moments in your musical compositions.



**Analogue Workshop Volume 1:  
Distortion & Feedback**

## Kontakt 4 Interface

The sounds have been mapped out into over 500 Kontakt 4 format patches using the new custom designed GUI. They are grouped into two basic categories.

**Raw:** These are the basic raw audio samples (looped where appropriate) presented with all the FX & filter sections turned off in the GUI. For added convenience each folder has an “All” patch for audition purposes. Thus it is easy to play each of the samples as they were recorded or to experiment with the GUI from a default state for creating your own patches.

**Treated:** The same folder structure is used as for the raw sounds but here full use is made of the GUI to further treat & enhance the samples. Furthermore useful collections of similar sounds are grouped into various multi-sets or velocity cross-fade patches. To quickly see how the samples have been mapped out across the keyboard simply click the tool icon in the top left of the GUI to open the Kontakt edit mode. The Mapping Editor should be open by default but if not click its button.



The GUI is split into two halves. The leftmost one contains the synth shaping controls whereas the rightmost comprises an audio effects chain. Hovering the mouse over any control should show a tooltip in the extreme bottom right of the Kontakt window. The various knobs are colour coded in the different sections for ease of use.

The synth controls are comprised of a multi-mode filter with cutoff & resonance controls. The filter type selector switch can continuously morph between all 3 types of filter (low-pass / high-pass & band-pass) and a simple switch is provided for the selection of 2 or 4 pole filter slopes. The filter can be modulated by several sources. To its immediate left is a multi-waveform LFO with rate & amount controls. Along the middle of this section are the modulation amounts for envelope 2, modulation wheel & key-track. Note all these 4 modulation controls can have both positive & negative amounts set with zero modulation being set at 12 o'clock. The envelope at the bottom of this section is of the ADSR type. Envelope 1 controls the amplitude of the overall patch and envelope 2 is routed to filter modulation.

The effects section of the GUI is comprised of a set of effects arranged in series. First up we have distortion which also includes a cabinet selection drop down menu. This is followed by phaser, flanger & delay line. Lastly there is the convolution reverb which as previously mentioned includes a set of custom recorded impulse responses taken from analogue modules such as spring reverbs & bucket-brigade delays. Each effect has the most relevant controls directly accessible from the GUI but by entering edit mode further tweaks can be made to these and indeed any of the GUI controls.

## **Installation**

Simply unzip the downloaded file and place where you wish on your hard drive(s). If you intend to use the Kontakt 4 programs then please leave the internal folder structure intact so that the instruments can find the relevant samples as well as reference the GUI skin & convolution impulse responses. The WAV files and Kontakt patches are prefixed with the DF identifier.

## **Technical Data**

300 samples at 44.1Khz, 24 bit in WAV format  
Mixture of stereo & mono samples

Raw audio recorded from the following analogue synthesisers:

- Roland System 100-M
- Serge Animal, Audio Interface, Dual Oscillator & custom panels
- Analogue Systems
- Analogue Solutions
- Doepfer A-100
- Cwejman SPH2 & FSH1
- Livewire, Metasonix, Harvestman, WMD & Flight of Harmony modules
- VCS3
- Minimoog & Moog Voyager
- Metasonix TM-2 tube BP filter
- TLA Ebony A2Stereo Processor

Recorded directly into Apple Mac using RME Fireface 400 audio interface  
Samples edited in Bias Peak Pro 5 & Redmatica KeymapPro

Native Instruments Kontakt 4 support provided

Recorded & produced by Ian Boddy December 2011 - March 2012

Audio Demos by Ian Boddy & Nigel Mullaney

Thanks to:

Nigel Mullaney for beta-testing & video editing  
Steve Howell @ [www.hollowsun.com](http://www.hollowsun.com) for GUI graphic design & licensing  
of "RE-201" impulse response  
Mario Krušelj for Kontakt scripting

## **Customer Support**

Please send any support or general questions about this product via E-mail to:  
[ian@ianboddy.com](mailto:ian@ianboddy.com)

For further product information on waveforms sample packs please visit  
[www.din.org.uk/din/node/192](http://www.din.org.uk/din/node/192)

Something Else Music Limited is based in the North-East of England and hence it operates on GMT.

[www.somethingelsemusic.com](http://www.somethingelsemusic.com)

# Contents

## **Raw**

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### **Drones**

All Drones  
Burble Drone  
Dissonant Drone  
Feedback Drone  
Harsh Drone 01  
Harsh Drone 02  
Heavy Weather  
Hum Spin  
Lethal Bass Drone  
Low Dirt  
Low Drone 01  
Low Drone 02  
Machine Noise 01  
Machine Noise 02  
Moan Drone 01  
Moan Drone 02  
Nasty Drone  
Overdriven Bass Drone 01  
Overdriven Bass Drone 02  
Overdriven Bass Drone 03  
Overdriven Bass Drone 04  
Power House  
Pulsating Drone  
Rich Distorted Drone  
Soft Drone 01  
Soft Drone 02  
Thick PWM  
TM2 Drone 01  
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Tone Drone 01  
Tone Drone 02  
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Engine Drone 03  
Engine Drone 04  
Evil Motorbike 01  
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Grumble Hog  
Hummer  
Idling  
Pebble  
Rev Out of Sync  
Throbbing Edge 01  
Throbbing Edge 02

### **Modulations**

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Annoying Drone 01  
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Blooperage 01  
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Blurp  
Bonkers  
Crazy Modulations  
Deep to High Modulation  
Dentists Drill  
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Guttural  
Low Filth  
Mega Blooper 01  
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Modulation Madness  
Modulator 01  
Modulator 02  
Modulator 03  
Pain Threshold  
Panic Stations  
Psychotic Bird Song  
Reverser  
Rubbish Alarm  
Screech Alarm  
Shifting  
Shredder  
Very Low Grunge  
Wheesh Thum  
Wibble Smash  
Wobble Alarm  
Zipper

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Distant Wind  
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Extreme Noise 03  
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Extremely High  
Grime  
Grit  
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Scraping

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Flange BD 02  
Heavy 01  
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Res EqBD 03  
Res EqBD 04  
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Switch 05  
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Grit Hit 01  
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Impact 01  
Impact 02  
Impact 03  
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Long 04  
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Dirty Whoosh 03  
Futz 01  
Futz 02  
Over Wipe 01  
Over Wipe 02  
Plague 01  
Plague 02  
Plague 03  
Short 05  
Short 06  
Shred Wobble  
Shredwoo  
Wheep 01  
Wheep 02

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Bleep  
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Blip 02  
Bong 01  
Bong 02  
Bong 03  
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Flange Cabasa  
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Hat 03  
Hat 04  
Hat 05  
Hat 06  
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Feedback Drone Overdrive  
Harsh Drones  
Heavy Weather Pad  
Hum Spinner  
Lethal Bass Drone Keys  
Low Dirt Pulsing  
Low Drone 01 Flange  
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Moan Drone Velocity X-fade  
Nasty Drone Tweed  
Overdriven Bass Drone Cab  
Overdriven Bass Drone Keys  
Overdriven Bass Drone Velocity X-fade  
Power House Flange  
Pulsating Drone Band-Pass  
Rich Distorted Drone Pad  
Soft Drone Velocity X-fade  
Thick PWM Band Pass  
TM2 Drone Velocity X-fade  
Tone Drone 01 Wet  
Tone Drone 02 Keys  
Unstable Drone Cab Flange  
Unstable Drone Keys  
Unstable Drone Velocity X-fade  
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### **Feedback**

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Feedback Landscape Atmos  
Feedback Scape 01 Deep Delay  
Feedback Scape 02 Cab  
Feedback Trumpet Wet  
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Resolve Ambience  
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VCS Feedback Ambience  
VCS Feedback Fast Release  
VCS Feedback Frippertronic  
VCS Feedback Loop Flutters  
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### **Machines**

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Engine Drone 03 Wet Sweep  
Engine Drone 04 Wobble  
Evil Motorbike 01 Wet  
Evil Motorbike 02 Cab  
Grumble Hog Pulse  
Hummer Pulser  
Idling Wet Cab  
Pebble Wet Modulations  
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Throbbing Edge Velocity X-fade

## Modulations

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Annoying Drone Cab  
Annoying Drone Phased Wet  
Blooperage Velocity X-fade  
Blurp Phased Wet  
Bonkers Modulations  
Crazy Modulations Wet Sweep  
Deep to High Modulation Wet Phase  
Dentists Drill Keys  
Dentists Drill Wet Sweep  
Glitcher Phased  
Glitcher Sweep  
Guttural Cab  
Low Filth Sweep  
Mega Bloopers  
Modulation Madness Matrix  
Modulator Phased Wet  
Modulator Wet Cab  
Modulator Wet Sweep  
Pain Threshold HiPass  
Panic Stations Wet  
Psychotic Bird Song Wet Mods  
Reverser Sweep  
Rubbish Alarm Wet Cab  
Screech Alarm Wet Flange  
Shifting Sweeps  
Shredder Cab Sweep  
Very Low Grunge Cab  
Wheesh Thum Mangled  
Wibble Smash Fast Phase  
Wobble Alarm Wibbled  
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Mental x 3  
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Flange BD Velocity X-fade  
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Res EqBDs Velocity X-fade  
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Switches Wet  
Test Tone Echoes  
Wipe Wet

## One Shots: Hits

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Crunch Hit Dirty Cab  
Grit Hits Wet Phase  
Impacts Wet  
Long Hit Velocity X-fade 01  
Long Hit Velocity X-fade 02  
Long Hits  
Soft Thump Echo Velocity X-fade  
Soft Thump Pitched Velocity X-fade  
Soft Thumps Verb  
Sonar Hit Velocity X-fade 01  
Sonar Hit Velocity X-fade 02  
Splong Wet Phase  
TBA Velocity X-fade  
Thrum Velocity X-fade  
Thud Velocity X-fade  
Ugly Cab  
Walloping  
Wet Hits  
Wizz Phase Splash

**One Shots: Nasty**

Broken Wet Phase  
Crunch Doubler  
Crunchy Leslie  
Dirty Whooshy Swishy  
Futz Velocity X-fade  
Over Wiped Phase  
Plague Velocity X-fade  
Short Nasty X-fade  
Shred Wobble Wet Flange  
Shredwoo Cab Flange  
Wheeps Velocity X-fade

**One Shots: Percussion**

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Clang Velocity X-fade  
Flam Crunch  
Flange Cabasa Phase Echoes  
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Skeet Overdrive  
Sneeze Phaser  
Sprung Flange  
Thwarp Velocity X-fade  
Tickle Flange  
Toob Velocity X-fade  
Triangles Velocity X-fade  
Wafer Cab  
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**Transmissions**

Baud Rate RS&H  
Brittle Filter Pulse  
Clicker Ambience  
Hidden Morse Cab Flange  
Interferons Phase BBD  
Malfunctions  
Mish Mash Ambient Sweep  
Nasty Static Grunge  
On The Edge Sweeps  
Screech Flanged  
Shreem Band Pass  
Signal Swept Ambience  
Signals x 3  
Strained Wet Flange  
Strange Signals EchoVerb  
Sweeping Interference Wet Phase  
Swirly Noise FX Ambience  
Teeth On Edge Cab Ambience

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## **Marketing & Design**



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